

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
STUDY PLAN**

Study ID code	CAPMC-S-0432-TE	
Title	Evaluation of Delphinium luteum, Yellow Larkspur for seed production and propagation methods of T&E species	
National Project No.	Natural Areas 1.1	
Study Type	Initial	
Study status	Active	
Location	CAPMC	
Study Leader	David Dyer, CAPMC	
Duration	2005 - 2006	
Cooperators	USF&W, UCB	
Land Use	Wildland	
Vegetative Practices	Primary	643 Restoration and Management of Declining Habitats
	Secondary	
Resource concerns	<u>Resource</u> Plants	<u>Consideration/Problem</u> Native T&E species
Long Range Plan	Study falls under Section IV, Part 1 and 4 of the CA PM LRP	
Description	Yellow larkspur will be tested for propagation performance at the Lockeford PMC and a determination made as to its seed production potential at the PMC.	
Status of Knowledge	This T&E species needs to be increased by use of seed production so as to increase its population size.	
Experimental Design	Randomized Complete Block Design	
Treatment 1	Title: Seed increase Description: propagate 3 seed lots, 1/2 in greenhouse and 1/2 in lath house	
Materials and Methods	RCB, three replications, make soil mix - 50% loam, 25% leaf mold, 25% 1/4" sharp gravel, pH 6.5; plant in 8" X 14" pots, plant two seeds in each pot and track	

germination of each seed. Place shade cloth and misters over plants to cope with summer heat.

Final Evaluations

Place plants in shaded PMC field location and evaluate for seed production and vigor.

Technology Transfer Products

TechNote, seed production

Literature Cited

There is a need for seed production of this species due to its limited range as per 2004 Statement of Work

Keywords

T&E species, restoration, native plants

**Review by:
Approvals:**

CA. State Plant Materials Committee
As per approval of CAPMC Business Plan